

RAW SEQUENCE LISTING

EFJ

The Biotechnology Systems Branch of the Scientific and Technical
Information Center (STIC) no errors detected.

Application Serial Number: 10/554,308B
Source: IFWO.
Date Processed by STIC: 2/2/07

ENTERED

CRF Errors Edited by the STIC Systems Branch

Serial Number: 10/554,308B

CRF Edit Date: 2/2/07

Edited by: AC

___ Realigned nucleic acid/amino acid numbers/text in cases where the sequence text "wrapped" to the next line

___ Corrected the SEQ ID NO. Sequence numbers edited were:

___ Inserted or corrected a nucleic number at the end of a nucleic line. SEQ ID NO's edited:

✓
___ Deleted: invalid beginning/end-of-file text ; page numbers

___ Inserted mandatory headings/numeric identifiers, specifically:

___ Moved responses to same line as heading/numeric identifier, specifically:

✓
___ Other:

corrected opening bracket in <1517 numeric
identifier



IFWO

RAW SEQUENCE LISTING

DATE: 02/02/2007

PATENT APPLICATION: US/10/554,308B

TIME: 16:06:54

Input Set : N:\efs\01_31_07\10554308B_efs\PTO.AMC.txt

Output Set: N:\CRF4\02022007\J554308B.raw

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4     Takagi, Hidenori
6 <120> TITLE OF INVENTION: METHOD OF ACCUMULATING ALLERGEN-SPECIFIC T-CELL ANTIGEN
DETERMINANT IN
7     PLANT AND PLANT HAVING THE ANTIGEN DETERMINANT ACCUMULATED THEREIN
9 <130> FILE REFERENCE: 201487/1160
11 <140> CURRENT APPLICATION NUMBER: US 10/554,308B
12 <141> CURRENT FILING DATE: 2005-10-21
14 <150> PRIOR APPLICATION NUMBER: JP 2003-120639
15 <151> PRIOR FILING DATE: 2003-04-24
17 <150> PRIOR APPLICATION NUMBER: PCT/JP04/005938
18 <151> PRIOR FILING DATE: 2004-04-23
20 <160> NUMBER OF SEQ ID NOS: 10
22 <170> SOFTWARE: PatentIn Ver. 2.0
24 <210> SEQ ID NO: 1
25 <211> LENGTH: 96
26 <212> TYPE: PRT
27 <213> ORGANISM: Homo sapiens
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34             20             25             30
36 Asn Phe His Leu Gln Lys Asn Lys Leu Thr Ser Gly Lys Ile Ala Ser
37             35             40             45
39 Cys Leu Asn Tyr Gly Leu Val His Val Ala Asn Asn Asn Tyr Asp Pro
40             50             55             60
42 Ser Gly Lys Tyr Glu Gly Gly Asn Ile Tyr Thr Lys Lys Glu Ala Phe
43  65             70             75             80
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51 <212> TYPE: PRT
52 <213> ORGANISM: Homo sapiens
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59             20             25             30
62 Asn Phe His Leu Gln Lys Asn Lys Leu Thr Ser Gly Lys Ile Ala Ser
63             35             40             45
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Input Set : N:\efs\01_31_07\10554308B_efs\PTO.AMC.txt

Output Set: N:\CRF4\02022007\J554308B.raw

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72          85          90          95
74 Gly Ile Ile Ala Ala Tyr Gln Asn Pro Ala Ser Trp Lys Ser Met Lys
75          100          105          110
77 Val Thr Val Ala Phe Asn Gln Phe Gly Pro Asp Ile Phe Ala Ser Lys
78          115          120          125
80 Asn Phe His Leu Gln Lys Asn Lys Leu Thr Ser Gly Lys Ile Ala Ser
81          130          135          140
83 Cys Leu Asn Tyr Gly Leu Val His Val Ala Asn Asn Tyr Asp Pro
84 145          150          155          160
86 Ser Gly Lys Tyr Glu Gly Gly Asn Ile Tyr Thr Lys Lys Glu Ala Phe
87          165          170          175
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93 <210> SEQ ID NO: 3

94 <211> LENGTH: 24

95 <212> TYPE: PRT

96 <213> ORGANISM: Oryza sativaL. cv Mangetsumochi

98 <400> SEQUENCE: 3

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102 Leu Leu Cys His Gly Ser Met Ala

103 20

106 <210> SEQ ID NO: 4

107 <211> LENGTH: 24

108 <212> TYPE: PRT

109 <213> ORGANISM: Oryza sativaL. cv Mangetsumochi

111 <400> SEQUENCE: 4

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112 Met Ala Ser Ile Asn Arg Pro Ile Val Phe Phe Thr Val Cys Leu Phe
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115 Leu Leu Cys Asp Gly Ser Leu Ala

116 20

119 <210> SEQ ID NO: 5

120 <211> LENGTH: 23

121 <212> TYPE: PRT

122 <213> ORGANISM: Oryza sativaL. cv Mangetsumochi

124 <400> SEQUENCE: 5

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128 Val Ala Ile Ser Gly Ala Gln

129 20

132 <210> SEQ ID NO: 6

133 <211> LENGTH: 3350

134 <212> TYPE: DNA

135 <213> ORGANISM: Artificial Sequence

137 <220> FEATURE:

138 <223> OTHER INFORMATION: Description of Artificial Sequence: Artificially constructed DNA sequence

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Input Set : N:\efs\01_31_07\10554308B_efs\PTO.AMC.txt

Output Set: N:\CRF4\02022007\J554308B.raw

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141 <221> NAME/KEY: CDS
142 <222> LOCATION: (2333)..(2713)
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149 aaagaaggta cactttacct acacaacgcc actaacctga gttacccagc ccatgcaaaa 180
151 tagccacgtc ttgtgactta agggatttcg cgacaaggca tttcgaaagc ccacacaagg 240
153 acaccttatg aaaactggag ggggtcccaca gaccaacaac aagttagggtc ccaaaccatg 300
155 ttgtgccagg aaaaatccaa ggggtcctcc ccaacaccac cccgacaaat ccacttgtcc 360
157 attggcatca agatttgctt gacctagcta attactcagc caggcatgtc acaattcacc 420
159 catgtggtca cacatgttat ggttgatga aattctaaag gaatcgggtcc atatgagcaa 480
161 gaccgagaaa ccataccacc agtacttcta ccgaaatacg agtttagtaa actcatttgt 540
163 tttcaaggca cccgaccagc gtgtgtcggg ttttccaggg attttgtaaa cccaagtttt 600
165 acccatagtt gatcattcaa attttgagga gggtcattgg tatccgtacc tgagggcagc 660
167 aatactgaga cctagcattg tagtcgacca aggaggttaa tgcagcaatt gtagggtggg 720
169 cctgttggtt atattgcaaa ctgcggccaa catttcatgt gtaatttaga gatgtgcatt 780
171 ttgagaaatg aaatacttag tttcaaatta tgggctcaaa ataataaaag gtgacctacc 840
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175 agctacacgt ggaacgagat aactcaacaa aacgaccaag gaaaagctcg tattagttag 960
177 tactaagtgt gccactgaat agatctcgat ttttgaggaa ttttagaagt tgaacagagt 1020
179 caatcgaaca gacagttgaa gagatatgga ttttctaaga ttaattgatt ctctgtataa 1080
181 agaaaaaaag tattattgaa ttaaattgaa aaagaaaaag gaaaaagggg atggcttctg 1140
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193 gtcagatgtg taaaattatc ataatatgtg tttttcaaat agttaaataa tatatatagg 1500
195 caagttatat gggtcataaa gcagtaaaaa ggcttatgac atggtaaaat tacttacacc 1560
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199 aaatacaagt tacttatcaa ttgtagtgtg tcaagtaaat gacaacaaac ctacaaattt 1680
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205 tacaagacaa caaagttata agtatgtcat ttaaaaaatac aagttactta tcaattgtca 1860
207 agtaaatgaa aacaaaccta caaatttggt attttgaagg aacacctaaa ttatcaaata 1920
209 tagcttgcta cgcaaaatga caacatgctt acaagttatt atcatcttaa agttagactc 1980
211 atcttctcaa gcataagagc tttatgggtg aaaaacaaat ataatagcaa ggcaaagata 2040
213 catacatatt aagagtatgg acagacattt ctttaacaaa ctccatttgt attactccaa 2100
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223 agt tcc ggt ttc tct cgg ttt tct ata tac ttt tgt gtt ctt cta tta 2386
225 tgc cac ggt tct atg gcc cag ccc atg ggc atc atc gca gct tac caa 2434
227 aat cca gca agc tgg aag agt atg aag gtt aca gtt gca ttc aac caa 2482
229 ttc ggt cct gat atc ttt gct agc aag aat ttc cac ctc cag aaa aat 2530
231 aag ctc aca agt ggc aag att gca agc tgc ttg aac tat gga ttg gtt 2578
233 cat gta gct aac aat aac tat gat cca agc ggt aag tat gag ggt ggc 2626

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235 aac atc tac act aag aag gaa gca ttc aac gta gag caa ttt gca aag 2674
237 ctc aca ggc ttc act ctc atg gga cgc aag gac gag ttg aagagctctg 2723
239 taattgagaa ctagtatcgg cgtagagtaa aataaaacac cacaagtatg acacttggtg 2783
241 gtgattctgt tcgatatcag tactaaataa aggttacaaa cttcttaatt ttctacttc 2843
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247 gctaatttta cttgcaaaat gaaaacaaat acatctatat attaaattta acattcctgg 3023
249 taattatcaa gaaataaaat cgaccaaatt aacaatatat ttgtaacttg gaactaatat 3083
251 aattatttat taacttaatg aagaatagaa ccccgtcata tccattgctt cctatgaaaa 3143
253 gatacttctt cgggtatttc ttgatgcaaa atcataaaga acggtattaa gatcaatagt 3203
255 gtccaagata tccttctcga ttgagcacat agccaagcca tttaacctta tttgcgacag 3263
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259 ccatcatagg taaagttaag agaattc 3350

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262 <210> SEQ ID NO: 7

263 <211> LENGTH: 127

264 <212> TYPE: PRT

265 <213> ORGANISM: Artificial Sequence

267 <220> FEATURE:

268 <223> OTHER INFORMATION: Description of Artificial Sequence: Putative amino acid sequence coded by

269 artificially constructed DNA sequence

271 <400> SEQUENCE: 7

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272 Met Ala Ser Ser Gly Phe Ser Arg Phe Ser Ile Tyr Phe Cys Val Leu
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275 Leu Leu Cys His Gly Ser Met Ala Gln Pro Met Gly Ile Ile Ala Ala
276           20           25           30
278 Tyr Gln Asn Pro Ala Ser Trp Lys Ser Met Lys Val Thr Val Ala Phe
279           35           40           45
281 Asn Gln Phe Gly Pro Asp Ile Phe Ala Ser Lys Asn Phe His Leu Gln
282           50           55           60
284 Lys Asn Lys Leu Thr Ser Gly Lys Ile Ala Ser Cys Leu Asn Tyr Gly
285           65           70           75           80
287 Leu Val His Val Ala Asn Asn Asn Tyr Asp Pro Ser Gly Lys Tyr Glu
288           85           90           95
290 Gly Gly Asn Ile Tyr Thr Lys Lys Glu Ala Phe Asn Val Glu Gln Phe
291           100          105          110
293 Ala Lys Leu Thr Gly Phe Thr Leu Met Gly Arg Lys Asp Glu Leu
294           115          120          125

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297 <210> SEQ ID NO: 8

298 <211> LENGTH: 1474

299 <212> TYPE: DNA

300 <213> ORGANISM: Oryza sativa

302 <400> SEQUENCE: 8

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307 atgggttcca acacagcggg ttggatgccg atggcacgta actggggcgc ccaatggcac 180
309 tcaactggcct acctcaccgg tcaaggtcta tcctttaggg tcaccaacac agatgaccaa 240
311 acgctcgtct tcaccaacgt cgtgccacca ggatggaagt ttggccagac atttgcaagc 300
313 aagctgcagt tcaagtgaga ggagaagcct gaattgatac cggagcggtt cttttgggag 360
315 taacatctct ggttgccatg caaacatatg attgtatata agtttcgttg tgcgtttatt 420

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RAW SEQUENCE LISTING

DATE: 02/02/2007

PATENT APPLICATION: US/10/554,308B

TIME: 16:06:54

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Output Set: N:\CRF4\02022007\J554308B.raw

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319 cacacgacaa atccttccat ttctattatt attgaacaat ttaattgcga gggcgagtac 540
321 ttgtctgttt accttttttt ttccagatgg cattttatag tttaaccttt catggaccgg 600
323 cagtagttct aacctgaat gaaaagaaat catagtccac accacgcagg gacattgtgg 660
325 tcatttttaga caagacgatt tgattaatgt cttgtatgat atggtcgaca gtgaggacta 720
327 acaaacatat ggcataatatt attaccggcg agttaaataa atttatgtca cagtaataaa 780
329 ctgcctaata aatgcacgcc agaaaatata atgataaaaa aaagaaaaga tacataagtc 840
331 cattgcttct acttttttaa aaattaaatc caacattttc tttttttgg tataaacttg 900
333 gaagtactag ttggatatgc aaaatcatct aacctccata ttttcatca atttgtttac 960
335 tttacatatg ggagaggata gtatgtcaaa gaaaatgaca acaagcttac aagtttctta 1020
337 ttttaaaagt tccgctaact tatcaagcat agtgtgccac gcaaaactga caacaaacca 1080
339 acaaatttaa ggagcgccta acttatcatc tatgacatac cgcacaaaat gataacatac 1140
341 tagagaaact ttattgcaca aaaggaaatt tatccataag gcaaaggaaac atcttaaggc 1200
343 tttggatata cattaccaaa caagcattgt ttgtattacc cctaaagcgc aagacatgtc 1260
345 atccatgagt caagtgtgt atatctcaac attgcaaagc tacctttttt ctattatact 1320
347 tttcgcatta taggctagat attatctata catgtcaaca aactctatcc ctacgtcata 1380
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356 <212> TYPE: DNA
357 <213> ORGANISM: Oryza sativa
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364 cttcctcggt tctctttatt tgtaagataa agaactagat atgtggaaag taggatagca 180
366 aagagtatgg ccaaactcta atctttgctt tttttttgg gatggacca aaatttgttt 240
368 ctcccttact tctttccctt tacaacaatg ttctttactt ccaattctta ttaacaaaac 300
370 tccaaatata tgccaaactg catatgtatg tatgctatta aggcacattt acaaagctcc 360
372 aagtttacct actcaatcat tcacatatgg cgatgactca aactcttaat tgttatctgg 420
374 taagctgtga cttgtgtaac acattctaca agtcccatac gaattctgtt cacaaaagtt 480
376 tctttgtcca gtcataaatt tacaaaactg caaaatgcc aagcaatctg gcacaacctt 540
378 atcatcatat tttctttcca cgcattaaag cactggcaga attatctttg tgtagatatt 600
380 ccaaaagtat tggttgaata aatgtccaaa taaattccat gcctcatgat ttccagctta 660
382 tgtggcctcc actaggtggg tttgcaaagg ccaaactctt tcctggctta cacagctacc 720
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392 <213> ORGANISM: Oryza sativa
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405 taccgtgctt actgcggagg caatgggaaa ccctcactag aagttgcacc tgttcttgct 360
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RAW SEQUENCE LISTING ERROR SUMMARY DATE: 02/02/2007
PATENT APPLICATION: US/10/554,308B TIME: 16:06:55

Input Set : N:\efs\01_31_07\10554308B_efs\PTO.AMC.txt
Output Set: N:\CRF4\02022007\J554308B.raw

Invalid Line Length:

The rules require that a line not exceed 72 characters in length. This includes spaces.

Seq#:6; Line(s) 138

Seq#:7; Line(s) 268

VERIFICATION SUMMARY

DATE: 02/02/2007

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Input Set : N:\efs\01_31_07\10554308B_efs\PTO.AMC.txt

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**Raw Sequence Listing before editing
(for reference only)**



IFWO

RAW SEQUENCE LISTING

DATE: 02/01/2007

PATENT APPLICATION: US/10/554,308B

TIME: 08:09:06

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Output Set: N:\CRF4\02012007\J554308B.raw

3 <110> APPLICANT: Takaiwa, Fumio
 4 Takagi, Hidenori
 6 <120> TITLE OF INVENTION: METHOD OF ACCUMULATING ALLERGEN-SPECIFIC T-CELL ANTIGEN DETERMINANT IN
 7 PLANT AND PLANT HAVING THE ANTIGEN DETERMINANT ACCUMULATED THEREIN
 9 <130> FILE REFERENCE: 201487/1160
 11 <140> CURRENT APPLICATION NUMBER: US 10/554,308B
 12 <141> CURRENT FILING DATE: 2005-10-21
 14 <150> PRIOR APPLICATION NUMBER: JP 2003-120639
 15 <151> PRIOR FILING DATE: 2003-04-24
 17 <150> PRIOR APPLICATION NUMBER: PCT/JP04/005938
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 20 <160> NUMBER OF SEQ ID NOS: 10
 22 <170> SOFTWARE: PatentIn Ver. 2.0

*insert opening
bracket*

*Does Not Comply
Corrected Diskette Needed*

ERRORED SEQUENCES

389 <210> SEQ ID NO: 10
 390 <211> LENGTH: 931
 391 <212> TYPE: DNA
 392 <213> ORGANISM: Oryza sativa
 394 <400> SEQUENCE: 10
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 421 caaaacaaaa agcaaccgat gccttgagca tagagatcat gctattccca ctataaatac 840
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 425 ataagagttc tctagcatcc atcacatagc c 931
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RAW SEQUENCE LISTING ERROR SUMMARY
PATENT APPLICATION: US/10/554,308B

DATE: 02/01/2007
TIME: 08:09:07

Input Set : N:\SSLM\10554308B.txt
Output Set: N:\CRF4\02012007\J554308B.raw

Invalid Line Length:

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Seq#:6; Line(s) 138

Seq#:7; Line(s) 268

VERIFICATION SUMMARY

PATENT APPLICATION: US/10/554,308B

DATE: 02/01/2007

TIME: 08:09:07

Input Set : N:\SSLM\10554308B.txt

Output Set: N:\CRF4\02012007\J554308B.raw

L:18 M:256 W: Invalid Numeric Header Field, Wrong Prior FILING DATE:YYYY-MM-DD

L:433 M:254 E: No. of Bases conflict, this line has no nucleotides.